

# Request for Proposals (RFP)

## *i-STEM Strand Providers 2015*

### Overview

Please join us for the **2015 i-STEM Summer Institutes**, where the focus is STEM integration in the classroom. We are currently accepting proposals from individuals, groups, or organizations interested in presenting a content specific strand during the **2015 i-STEM Summer Institutes**. Institutes will take place at the College of Southern Idaho (Twin Falls), Idaho State University (Pocatello) North Idaho College (Coeur d'Alene), Lewis & Clark State College (Lewiston), College of Western Idaho (Boise) and the Eastern Idaho Technical College (Idaho Falls). The strands are to be designed to increase the participating educators' content and pedagogy knowledge as well as teachers ability to effectively integrate STEM into existing district and state mandates. Proposal submissions for presenters must be uploaded on the i-STEM web site at the following link prior to December 1.

<http://www.sde.idaho.gov/site/istem/teachers/events.htm>

Focusing on the theme **"Act Local Think Global"** the i-STEM 2015 Summer Institutes will be held at the following locations:

Eastern Idaho Technical College: June 16 – 19

Idaho State University: June 22 – 25

North Idaho College: June 15 – 18

Lewis & Clark State College: June 15 – 18

College of Southern Idaho: June 22 – 25

College of Western Idaho: June 23 – 26

### Strand Providers Requirements

1. All Strand Providers must focus their content on STEM themes or related concepts and model how teachers can integrate Math, Science, Engineering, and Technology in their respective classrooms.
2. Each strand will provide 20 hours of inquiry-based, project-based, hands-on engaging instruction and curriculum, modeling best instructional practices that are linked to Idaho State Standards/ Common Core Standards. The 20 hours of curriculum will be integrated into the full conference agenda.
3. Each strand will provide each participant in their respective strand an instructional kit valued at approximately \$200, to infuse lesson and activities taught during the institute. Funding for the kits will be provided by i-STEM. Kits will be distributed to the participants at the institute or their order for a kit (orchestrated by the strand provider) will be completed at the institute.



Providers should utilize the instructional kits during the summer institutes, or send them to the respective schools prior to the 15<sup>th</sup> of August.

Additional kit items will also be created from each strand to support the individual i-STEM Centers, which will serve as a depository of materials for teachers to check out.

4. Strand providers chosen will be expected to attend a one day seminar organized by the i-STEM Center Committee at Boise State University in late January or early February. This training is mandatory for all strand providers to clarify expectations, demonstrate lessons and activities, receive training on the device that will be given to participants, and answer questions. More information will be forthcoming to selected strand providers.
5. Curriculum strand providers are expected to integrate and participate in all conference activities and will be responsible for supporting institute planning time sessions.
6. If selected, strand providers will design a content knowledge test specific to the content of their strands which will be submitted for review and administered pre- and post-strand instruction.
7. All strands are expected to organize an instructional field trip that supports eth content in their respective strands. In the submission process potential strand providers will need to describe the field trip they propose to use for their strand participants.
8. Each strand selected will need to identify business and agencies that may serve as business partners or co-presenters in their strands.
9. Each proposal must also identify the top three (3) take a ways that participants in their strand would get, and be able to immediately implement in their respective classrooms.
10. All chosen strands will meet the following criteria:
  1. **Inquiry Based Learning** activities are integrated throughout the program
  2. **Cross Curricular** application is included in the course
  3. **Project Based** activities are explored in the program
  4. **Assessment** of student learning will be discussed and refined
  5. **Alignment** to Idaho State Achievement Standards and Common Core
  6. **Model Integration of STEM** in the classrooms
11. In April strand providers are expected to have contact with registered participants in their respective strands with information such as strand lesson plans or overviews, contact information or related materials to review prior to the institute. More information on this requirement will be given at the late January/early February training.



## Proposal Submission

During the electronic submission process the following are key items to pay attention to.

1. All proposals must include the following elements and be electronically submitted prior by December 1, 2014.
2. Name of the Strand with a clear description to help participants in the selection process. The description should include the target audience and/or grade level for that specific strand, such as; K-3, 4-6, 7-9, 10-12.
3. A short summary of the proposed strand (1-2 pages) and a draft agenda for a three (3) or four (4) day institute. Include brief explanations of the activities participants will engage in to learn content material. These explanations should include:
  - ✓ Sample Lesson Plan
  - ✓ Strand Overview including daily objectives
  - ✓ Sample of pre and post outcome assessments
  - ✓ Any special classroom equipment needed
  - ✓ List of potential field trip
  - ✓ Top 3 take a ways for participants
4. List the strand's instructional kit contents and cost per individual items. Provide an explanation of how teachers will be trained in the institute to implement kit materials. Kit value should be approximately \$200 (including shipping cost if kits will not be distributed at the institute).
5. Explain how you will model effective integration of, Science, Technology, Engineering and Math in your strand. We want you to talk and model effective cross curricular activities and strategies that will build teachers capacity to effectively integrate STEM in their classroom.
6. A short explanation on how you plan to integrate best practices, Idaho State Standards and Common Core standards.

## Proposal Submission Link

Individuals desiring to submit a proposal may do so by completing the application on the following link: <http://www.sde.idaho.gov/site/istem/teachers/events.htm> and upload their submission automatically. If you have questions with uploading the application contact Bill Cairns at [cairbill@d91.k12.id.us](mailto:cairbill@d91.k12.id.us) for assistance, but all submissions must be completed on the above link.

